



Mr. John Bardwell
Contracting Officer
Department of Transportation
Federal Transit Administration Headquarters
1200 New Jersey Avenue, SE Room E42-331
Washington, DC 20590

Subject:
Federal Transit Administration
Project Management Oversight Services
Solicitation No. FTA-08-PMOC

Dear Mr. Bardwell:

ARCADIS U.S., Inc. (ARCADIS), in association with DKI Engineering & Consulting and their affiliates, is pleased to present our qualifications to provide Project Management Oversight (PMO) services on properties funded by the Federal Transit Administration (FTA).

ARCADIS provides a single source of integrated rail system solutions. From freight to passenger rail projects, we have years of expert experience in the planning, permitting, design, management oversight, construction and remediation of rail systems. Our clients include freight rail industry leaders, state departments of transportation, and local municipalities, all looking for innovative and cost-effective solutions.

ARCADIS

ARCADIS specializes in developing public participation programs for rail projects, including statewide planning projects. Our tiered environmental approach has proven beneficial to our clients by reducing the need for additional regulatory compliance and ensuring their projects stay on schedule. Once the appropriate environmental planning documents are completed, our engineers expedite the design process so that all projects move rapidly forward through the permitting process so construction can begin. Our field observers are experienced in new track construction and track and bridge rehabilitation methods.

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RAIL TRANSIT

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Our ref:
52PROFSA.LES0

Imagine the result

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ARCADIS' rail systems planning and design services include:

- Regional and corridor planning
- Environmental impact analysis
- Traffic impact studies
- Wetlands assessment and delineation
- Endangered species surveys
- Preliminary and final track design
- Environmental and developmental permitting
- Intermodal/ terminal facilities design
- Construction staking
- As-built, accident, and right-of-way surveys
- Track stabilization and rehabilitation
- Public involvement programs
- Facilities/building design
- Bridge design and observation
- Geotechnical services
- Hazardous materials cleanup

Orangeline Corridor Development Project

Southern California

www.orangeline.calmaglev.org



ARCADIS was recently retained as the prime contractor and overall program manager for the Orangeline Corridor Development Project. Scheduled for completion in 2015, the estimated \$12 billion project will draw on ARCADIS' international transit rail experience in Europe and the U.S. ARCADIS will be responsible for overall program, project and

client management, project control, and managing the financing and public-private partnership development of the corridor, including the design, build, finance and operations of the infrastructure and development around each of the twelve passenger stations.

Southeast High Speed Rail EIS, Washington DC to Charlotte, NC

North Carolina Department of Transportation Rail Division

Virginia Department of Rail and Public Transportation

Federal Highway Administration

Federal Rail Administration

The North Carolina Department of Transportation Rail Division, in cooperation with the Virginia Department of Rail and Public Transportation, conducted an engineering and environmental analysis for the Southeast High Speed Rail Corridor (SEHSR). The federally designated SEHSR extends the high speed rail service on Amtrak's



Northeast Corridor southward to Richmond, Raleigh, and Charlotte. The SEHSR corridor offers enhanced passenger rail services with a maximum speed of 110 miles per hour between Washington, DC, and Charlotte, North Carolina. As a federally designated route using federal funding, the SEHSR corridor needed to comply with requirements established by the National Environmental Policy Act of 1969 (NEPA).

ARCADIS prepared the Environmental Impact Statement (EIS), which involved conducting an active public involvement program, defining the overall purpose and need for the project; evaluating general issues and concerns related to the project; designating a general route location for the high speed rail corridor; and preparing program-level environmental impact statement.

The environmental studies involved conducting an active public involvement program; analyzing site-specific impacts for logical sections of the corridor; determining specific alignment of the high speed rail corridor; and preparing the final environmental documents.

I-565 Bridge

Huntsville, AL

ARCADIS provided preliminary design for 20 bridges and eight alternatives were provided. Bridge number 4 carries Old Madison Pike over three tracks of the Norfolk Southern railroad. The superstructure consists of single-span, curved-steel plate girders. Retained earth wall panels are used at the abutments and are located just

outside the required minimum 25-foot horizontal clearance from the centerline of the outside rails.

Interchange City

Nashville, Tennessee

ARCADIS provided engineering design services and master plan for a 1,200-acre site, including plans for mass grading, roadways, rail, utilities, and landscaping.

I-26/I-126 Connector

South Carolina Department of Transportation, Columbia, SC

ARCADIS provided preliminary design of two highway bridges over the CN&L Railroad. Construction plans for a 2,600-foot-long highway bridge over the CN&L Railroad.



Environmental and Emergency Response Services

CSXT Transportation, Eastern US

ARCADIS has worked for CSXT since the early 1990's and is one of five consultants that comprise the Preferred Provider Program (P3) within CSX Transportation's Corporate Environmental Engineering Group. We support three main corporate Directors of Remediation for CSXT who manage the long-term environmental



liabilities for CSXT in a 23-state operating area, east of the Mississippi River. For this alliance, ARCADIS manages approximately 60 on-going projects for CSXT from 17 different ARCADIS offices. During the past 6 years, we have closed or moved to monitor only status more than 50 remedial/investigative projects for CSXT. CSXT selected ARCADIS for its first annual "Award of Excellence" (consultant of the year) for 2001. ARCADIS subsequently won CSX's Award for Excellence again in 2003, 2004 and 2005.

Pinnacle One

PinnacleOne, acquired by ARCADIS in 2006, has experience with hundreds of transportation projects nationwide totaling in excess of \$1 billion in construction costs. Established in 1980, PinnacleOne is an acknowledged leader in construction consulting with a unique focus on advising clients throughout all phases of the design

and construction process. PinnacleOne's diverse, highly trained professionals draw from this hands-on experience to guide clients through every step of the construction process. Services provided frequently include program and project management, construction management, and claims analysis.

Eastside Light Rail, Pre-construction Survey

Los Angeles County Metropolitan Transportation Authority

PinnacleOne is conducting preconstruction surveys for buildings adjacent to the future subway tunnel for MTA's Eastside Light Rail Extension. PinnacleOne previously performed surveys for the MTA prior to the tunneling operations for the Red Line through Hollywood and the Hollywood Hills.

The work consists of documenting the existing physical condition of surrounding buildings by means of photographs and videos, and written reports of any damage. This documentation is necessary for the MTA to use in defending itself against the lawsuits from property owners that follow construction and proved invaluable in the Hollywood Boulevard Lawsuits.

PinnacleOne is performing inspection and documentation (video and photo) of 200+ buildings along tunnel/underground segment of Eastside Light Rail Project. PinnacleOne's work includes the creation and distribution of a bilingual community awareness program to inform affected property owners and tenants about the preconstruction survey process and to assist in scheduling inspection appointments. Many residents in the East Los Angeles Community speak only Spanish so all written materials were translated to Spanish and inspection appointments were scheduled by bilingual staff members.

Sprinter Rail Program, Oceanside, California

North County Transit District (NCTD)

The North County Transit District's \$351 million rail project follows the Highway 78 corridor between the cities of Oceanside and Escondido. The project involves the reconstruction of 22 miles of existing ROW and the addition of a new 1.7 mile loop. Other project features include a new maintenance shop and a bike path. The project will use new generation diesel-powered multiple unit vehicles that meet projected emission standards. The project is scheduled to open in December of 2005.

PinnacleOne is currently providing services as a subconsultant to Simon Wong Engineering and has been responsible for creating the master schedule, as well as CPM scheduling and project controls. PinnacleOne's other responsibilities include

reviewing the contractor's baseline schedule and monitoring progress throughout the project to ensure schedule adherence; identifying schedule slippage early and offering solutions when necessary; and monthly reporting. In addition, PinnacleOne is contracted to provide dispute avoidance and resolution expertise as needed.

The project involves reconstruction of 22 miles of existing ROW and the addition of a new 1.7 mile loop to serve the CSUSM campus. The project uses new generation diesel-powered multiple unite vehicles, meeting all projected emission standards.

Phoenix METRO Rail

Phoenix, Arizona

METRO Rail is developing the first 20-mile segment of a light rail system to serve the Phoenix metropolitan area (total cost of this segment is estimated to be \$1.4 billion). Separate construction contracts were awarded for each of 5 line segments, a Maintenance & Storage Facility, a bridge structure over a local lake, station finishes, and train signal and control. PinnacleOne was selected as a sub-consultant to PBSJ/Wong JV to provide pre-construction surveys, construction claims support, and inspection services for all construction projects. Pre-construction surveys included an initial risk assessment to identify areas where construction activities have the greatest potential to cause damage to adjacent property, and to existing condition surveys of select properties. To date, PinnacleOne has evaluated one construction claim. The contractor allegedly encountered differing site conditions and submitted a claim for additional/changed work. PinnacleOne evaluated the claim and provided its findings and recommendations to the Owner's program manager to enable the program manager to address the contractor's claim. PinnacleOne is also reviewing contract requests for equitable adjustments in order to mitigate the potential claims. Additionally, PinnacleOne construction inspectors will inspect construction, including utility relocation, traffic signal installation, track bed preparation and rail installation, station platforms, and roadway improvements.

DKI

Our subconsultant, DKI Engineering & Consulting, has exceptional and substantial experience in FTA funded properties. Selected relevant experience includes:

PMO FTA, Fluor Daniel, Inc., New York, NY

Project Management Oversight for FTA Funded Projects

DKI Engineering & Consulting USA, P.C. worked on the \$750,000,000 Fulton Street Transit Center by assisting Fluor Daniel, Inc. for PMO of Federal Transportation Administration-funded properties in Lower Manhattan, New York.

PMO FTA, NYCTA, NJT, CT DOT & Metro North

Project Management Oversight for FTA Funded Projects

DKI Group Engineers, Inc. was a major subconsultant to Fluor Daniels, Inc. of New York, NY. DKI engineers were part of the PMO team assisting Fluor Daniel Transportation Infrastructure with providing Project Management Oversight.

PMO FTA Archer Avenue Wrap-Up New York, NY

Project Management Oversight of Signal, Track & Structures

DKI's PMO Engineers monitored signal, track, structures power, communications, architectural, structural and mechanical contracts. They also monitored quality assurance, non-conformance, progress and payments of the railroad projects. Reporting to Fluor Daniel, Inc., our engineers assessed the management capabilities of prime user groups such as: NUCTA, LIRR, Metro North, New Jersey Transit and their consultants, Parsons Brinkerhoff/ Morrison Knudsen (a joint venture), project management; and Corrdry Carpenter, Dietz and Zack and Seelye, & Stevenson Value and Knecht, design consultants.

PMO FTA, TriMet of Oregon, Washington County/Metro (PE)

Project Management Oversight for FTA Funded Project – Portland Metropolitan

*Region Major Capital Projects –
Washington County Commuter Rail
(Wilsonville to Beaverton
Commuter Rail)*

DKI Engineering & Consulting USA, PC continues to provide PMO services as a major team member will be and is from 2003 through 2008 for the Tri-County Metropolitan Transportation District of Oregon (TriMet).



- The project will span 14.7 miles consisting of a combination of single and double track and will begin in Wilsonville and terminate in Beaverton, where intermodal transfers to light rail transit (LRT) and buses are possible. The total project cost is \$103.5 million.
- The initial planned fleet is four powered diesel multiple units (DMUs) and three unpowered trailer DMUs.



Above left and right: Two prototypes of new self-propelled diesel rail cars.

- The Federal Transit Administration (FTA) has granted the project permission to enter final design on May 7, 2004. Final design activities are proceeding on a task-order basis and are expected to be completed by late March 2005.

Metrorail and Phase I Metromover

Mid-Life Vehicle Fleet Overhaul and Modernization Project – Miami, Florida

DKI is providing PMO Services to the prime consultant for the FTA funded project in Miami, Florida for Miami-Dade Transit through 2008. The Metrorail system is comprised of 22 miles of dual track, and a single maintenance facility. It serves 22 stations and has a total fleet of 136 rail cars

Dallas Area Rapid Transit (DART) and Fort Worth Transportation Authority (The T)

Task Order #006 – Dallas, Texas

DKI is providing PMO Services to the prime consultant for the FTA funded project in Dallas, Texas for Fort Worth Transportation Authority, till 2008

PMOC Management Oversight Consultant Services

U.S. DOT/FTA Project Number DC-27-5045, Task Order No. 8 – Chicago, Illinois

DKI is providing PMO Services to the prime consultant for the FTA funded project in Chicago, Illinois for Chicago Transit Authority (CTA) through 2008. The project involves rehabilitation of the existing signal system of the Chicago Transit Authority's Blue Line from the Forest Park Terminal on the Congress Branch, through the Dearborn Subway and to the Jefferson Park Station on the O'Hare Branch.

ARCADIS appreciates the opportunity to serve the FTA and looks forward to receiving the FTA's Request for Proposal for PMO services in 2008. If you should require any further information, please do not hesitate to contact me.

Sincerely,

ARCADIS U.S., Inc.

Kurt Goddard
Senior Vice President

This proposal and its contents shall not be duplicated, used, or disclosed—in whole or in part—for any purpose other than to evaluate the proposal. This proposal is not intended to be binding or form the terms of a contract. The scope and price of this proposal will be superseded by the contract. If this proposal is accepted and a contract is awarded to ARCADIS as a result of—or in connection with—the submission of this proposal, ARCADIS and/or the client shall have the right to make appropriate revisions of its terms, including scope and price, for purposes of the contract. Further, client shall have the right to duplicate, use, or disclose the data contained in this proposal only to the extent provided in the resulting contract.